Title (en)

TUNABLE PARASITIC RESONATORS

Title (de)

ABSTIMMBARE PARASITÄRE RESONATOREN

Title (fr)

RESONATEURS PASSIFS ACCORDABLES

Publication

EP 1654780 A1 20060510 (EN)

Application

EP 04776109 A 20040520

Priority

- US 2004016458 W 20040520
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- US 68476103 A 20031014

Abstract (en)

[origin: WO2005018046A1] A mobile terminal can include a printed circuit board with a reference voltage conductor, an antenna coupled to the first side of the printed circuit board, and a parasitic resonator coupled to the second side of the printed circuit board. More particularly, the parasitic resonator can be connected to the printed circuit board by first and second couplings, which provide first and second impedances, respectively, between the parasitic resonator and the reference voltage conductor. The impedances can be of different values, and can be provided by discrete impedance components. The resonant frequency of the parasitic resonator can be adjusted by altering the impedances of the first and second couplings.

IPC 1-7

H01Q 1/24; H01Q 19/00

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 19/00** (2006.01)

CPC (source: EP US)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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